

# **Electrical/Automation Contractor Items**

**In-Depth Electrical System Quality (Safety) Inspection; especially important for a home/building purchase or for an older home/building:**

- > **Thermography Inspection**
  - > **All Bus Bars**
  - > **Electrical Devices Within Location**
- > **Check Torque at All Panels**
- > **Grounding System**
- > **Install Aluminum to Copper Devices, Where Needed**
- > **Integrity Check and/or Repair of All End Devices (I.E. Receptacles and Switches)**
- > **Smoke Detector Evaluation and Placement**
- > **Suggestive Corrective Actions with Up-to-Date Code Compliance Options**

## **Electrical Troubleshooting**

- > **Low/Medium/High Voltages**
  - > **Constant Circuit Breaker Tripping**
  - > **Nuisance GCFI devices**
  - > **Lights Flickering**
- > **Automation/Control Systems**
- > **Appliance or Equipment**
- > **Communication**

## **Electrical System Maintenance**

## **Fan And Other Fixture Installation**

- > **Interior and Exterior**

## **Attic Fan Installation**

## **Underground System Installation**

## **Smoke or Carbon Monoxide Detector Installation or Replacement**

-> Ensure Proper Detection is installed in all necessary locations

## **Electrical Device Installation**

-> LED Upgrades and other energy efficient options

## **Garage Door Motor or Sensor Replacement**

-> Garage Door Opener Programming with Hardwired/Remote/Automotive unit

## **Communication Installation or Repair**

-> Fiber Optics

-> Ethernet

-> Security Cameras

## **Smart Home Technology**

-> Doorbell

-> Thermostat

-> Screens

## **Temporary Power**

## **Septic System**

-> **Float Switch Repair or Replacement**

-> **Pump Replacement**

## **Well System**

-> **Control Units**

-> **Pump Installation/Repair (Above Ground); Will Contract out for Below Ground work**

## **Meter Banks Installation/Repair/Upgrade**

## **Main Service Panels Installation/Repair/Upgrade**

## **Sub Panels Installation/Repair/Upgrade**

## **Load Shedding Circuits Within Panels**

-> **Avoid The Potential of Overuse on Panel Internal Components**

## **Quality Assurance and Control of Systems**

## **Automation/Control Systems Installation or Repair**

## **Load Study on Electrical System**

## **Generators**

-> **Generator Automatic Transfer Switches (ATS) Or Manual Interlock System**

> **Wall Mounted Outlets**

**> Amp Draw Metering Installation**

**> Education on Process**

### **Home Protection System**

**-> Surge Suppression Device (SPD)**

**-> Proper grounding guidelines are met**

**-> Soft Start Unit for A/C Start Up Surges**

**-> Amperage consumption evaluation**

### **Pool System Power Panel**

**-> UV Systems**

**-> Salt Cell Transformers**

### **Transformers**

**-> Buck And Boost**

**-> Step Up or Down Transformers**

**-> Inverters**

**-> Converters**

**-> EV Charging Stations**

### **Landscape Lighting**

### **Hazardous Location Installation or Repair**

**-> Gas/Liquid Pumps or possible ignition source areas**

**24 Hour Emergency Service; Service Fee may be Waived, depending on severity of call and risk to persons/property**

**-> Over the phone troubleshooting will be offered before Company arrives at location**